

PROJECT DESCRIPTION

I. GENERAL:

THIS SIGNAL RECONSTRUCTION IS PART OF THE PROJECT TO WIDEN MD 175 (ANNAPOLIS ROAD) AT ENTRANCE OF FORT MEADE MIDDLE SCHOOL AT THE EXISTING SIGNAL OF MD 175 (ANNAPOLIS ROAD) AT 26TH STREET/ DISNEY ROAD IN ANNE ARUNDEL COUNTY. THE PROJECT INTERSECTION SHALL BE CONVERTED FROM PEDESTRIAN SIGNAL HEADS TO COUNTDOWN PEDESTRIAN SIGNAL HEADS, AND THE EXISTING SIGNAL DETECTION SHALL BE UPDATED TO VIDEO DETECTION.

MD 175 (ANNAPOLIS ROAD) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION:

THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, FULLY-ACTUATED MODE, WITH THE MD 175 APPROACHES RUNNING CONCURRENTLY. EXCLUSIVE LEFT-TURN PHASES SHALL BE PROVIDED FOR THE EASTBOUND AND WESTBOUND APPROACHES OF MD 175. PEDESTRIAN PHASE WITH COUNT-DOWN PEDESTRIAN SIGNALS AND AUDIBLE/TACTILE PUSHBUTTON STATION SHALL BE PROVIDED FOR ALL LEGS OF THE INTERSECTION. 26TH STREET/DISNEY ROAD SHALL RUN A SPLIT-PHASED OPERATION.

AUDIBLE PUSHBUTTON FUNCTION IS AS FOLLOWS:

- When the pedestrian locates and presses the pushbutton for an extended time, the pushbutton unit will announce the following message:
EAST LEG: "Wait to cross Annapolis at Disney and 26th, Wait."
WEST LEG: "Wait to cross Annapolis at Disney and 26th, Wait."
NORTH LEG: "Wait to cross Disney at Annapolis, Wait."
SOUTH LEG: "Wait to cross 26th at Annapolis, Wait."
- When the "WALK" phase begins, the pushbutton unit will provide a rapid tick, which will last for the duration of the "WALK" phase.

PROJECT CONTACTS:

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MR. JAMES FOLDEN, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
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PHONE: 410-470-8445

EQUIPMENT LIST 'A'

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE	QUANTITY	DESCRIPTION
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EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION, AND THEIR QUANTITIES, HAVE BEEN SHOWN ON THE TRAFFIC SIGNAL MAINTENANCE OF TRAFFIC GENERAL INFORMATION SHEETS.

EQUIPMENT LIST 'B'

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

CATEGORY CODE	QUANTITY	DESCRIPTION
800000	1020 LF	12 INCH WHITE PREPORMED HEAT APPLIED THERMOPLASTIC PAVEMENT MARKINGS.
800000	150 LF	24 INCH WHITE PREPORMED HEAT APPLIED THERMOPLASTIC PAVEMENT MARKINGS.

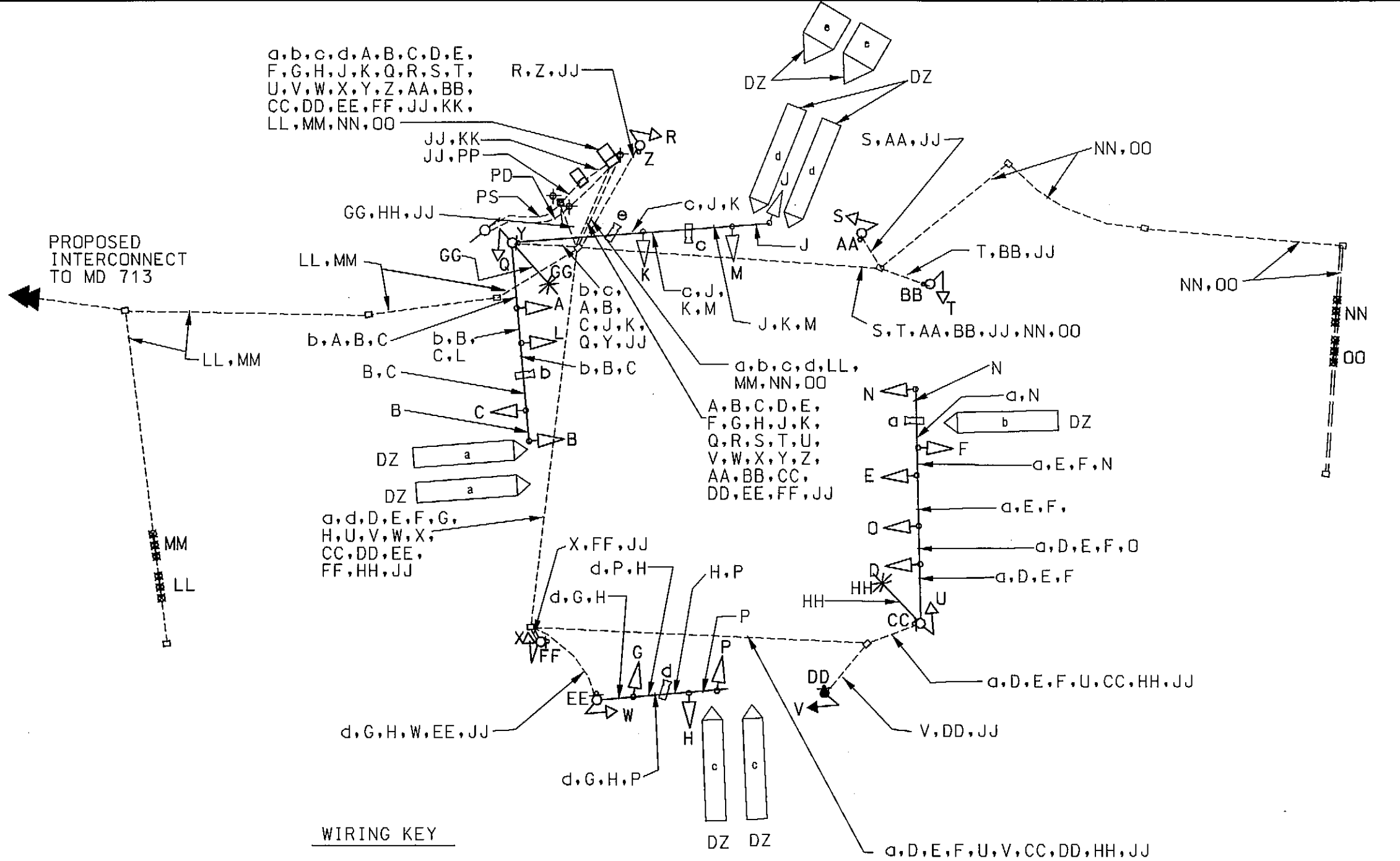
ADDITIONAL EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRCTOR OR BY THE ADMINISTRATION, AND THEIR QUANTITIES, HAVE BEEN SHOWN ON THE TRAFFIC SIGNAL MAINTENANCE OF TRAFFIC GENERAL INFORMATION SHEET.

EQUIPMENT LIST 'C'

C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINETS. THE CABINETS AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	16"	16"	16"	16"	16"	16"	16"	16"
Phase 1 & 5	◀G-	◀G-	◀G-	R	R	◀G-	◀G-	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
1 & 5 Change	◀Y-	◀Y-	◀Y-	R	R	◀Y-	◀Y-	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
Phase 2 & 6	◀R-	◀R-	◀R-	G	G	◀R-	◀R-	G	G	R	R	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW
Ped. Clear	◀R-	◀R-	◀R-	G	G	◀R-	◀R-	G	G	R	R	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW
2 & 6 Change	◀R-	◀R-	◀R-	Y	Y	◀R-	◀R-	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
Phase 3	◀R-	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀G/G	◀G/G	G	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
3 Change	◀R-	◀R-	◀R-	R	R	◀R-	◀R-	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
Phase 4	◀R-	◀R-	◀R-	R	R	◀R-	◀R-	R	R	R	R	R	◀G/G	◀G/G	G	DW	DW	DW	DW	DW	DW	DW	DW
4 Change	◀R-	◀R-	◀R-	R	R	◀R-	◀R-	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
Phase 3 ALT	◀R-	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀G/G	◀G/G	G	R	R	R	DW	DW	DW	DW	WK	WK	DW	DW
Ped. Clear	◀R-	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀G/G	◀G/G	G	R	R	R	DW	DW	DW	DW	FL/DW	FL/DW	DW	DW
3 ALT Change	◀R-	◀R-	◀R-	R	R	◀R-	◀R-	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
Phase 4 ALT	◀R-	◀R-	◀R-	R	R	◀R-	◀R-	R	R	R	R	R	◀G/G	◀G/G	G	DW	DW	DW	DW	DW	DW	WK	WK
Ped. Clear	◀R-	◀R-	◀R-	R	R	◀R-	◀R-	R	R	R	R	R	◀G/G	◀G/G	G	DW	DW	DW	DW	DW	DW	FL/DW	FL/DW
4 ALT Change	◀R-	◀R-	◀R-	R	R	◀R-	◀R-	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
Fleeting Operation	FL/RA	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK



WIRING KEY

a,b,c,d	- 3 CONDUCTOR NO. 18 AWG VIDEO CABLE
A,B,C,D,E,- F,G,H,J,K	- 7 CONDUCTOR NO. 14 AWG ELEC. CABLE
L,M,N,O,P	- 5 CONDUCTOR NO. 14 AWG ELEC. CABLE JUMPER
Q,R,S,T,U,- V,W,X	- 5 CONDUCTOR NO. 14 AWG ELEC. CABLE
Y,Z,AA,BB,- CC,DD,EE, FF	- 2 CONDUCTOR NO. 14 AWG ELEC. CABLE
GG,HH	- 2 CONDUCTOR NO. 12 AWG ELEC. CABLE TRAY
JJ	- NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
KK	- 1 CONDUCTOR NO. 8 AWG-THHN/THWN ELEC. CABLE
LL,MM,NN, OO	- NON-INVASIVE DETECTOR W/ 500' LEAD-IN
PD	- PHONE DROP
PS	- SERVICE FEED
+	- GROUND ROD (3/4" DIA.x 10' LENGTH)

CENTURY
ENGINEERING
CONSULTING ENGINEERS - PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031

REVISION 'D' 23299.36

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 175 (ANNAPOLIS ROAD) AT
26TH STREET/DISNEY ROAD
FORT MEADE, MD

ULTIMATE GENERAL INFORMATION PLAN

SCALE 1" = 20' DATE OCTOBER 2010 CONTRACT NO. AA580A21

DESIGNED BY END COUNTY ANNE ARUNDEL

DRAWN BY ENB LOGMILE 02017507.10

CHECKED BY MR /NR TMS NO. J-969

F.A.P. NO. ACP/LHD-STP-TIP-3617(11)E TOD NO.

TS NO. 1959D-GI

DRAWING SG -- 04 OF 5

SHEET NO. 150 OF 192